



Forming Ability and Properties of Bulk Metallic Glasses

Guest Editor:

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Message from the Guest Editor

As a kind of disordered material, bulk metallic glasses (BMGs) possess many excellent mechanical, physical, and chemical properties due to the absence of structural defects such as dislocation, grain boundary, stacking fault, and composition segregation above the mesoscale. Therefore, it has become the most active research field in metastable metal alloys and condensed matter physics. Especially in the last 20 years, a series of BMGs with a high glass-forming ability and excellent properties (e.g., mechanical, magnetic) have been found. Some of the alloy systems have been successfully applied in the fields of electronic information, MEMS, sporting goods, biological equipment, aerospace, and so on. This Special Issue aims to present the latest research related to glass-forming ability, deformation behavior and mechanism, and functional properties.





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Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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